

PORSE
11.3.2
04/26/2005

DRAFT

ALDER CREEK LUMBER COMPANY CSM Site Summary

ALDER CREEK LUMBER COMPANY

Oregon DEQ ECSI #: 2446

14456 NW Gillihan Loop Rd.

DEQ Site Mgr: No PM

Latitude: 45.6311°

Longitude: -122.7994°

Township/Range/Section: 2N/1W/27

River Mile: 2.8 Southern end of Sauvie Island

LWG Member ☐ Yes ☒ No

Upland Analytical Data Status: ☐ Electronic Data Available ☒ Hardcopies only

1. SUMMARY OF POTENTIAL CONTAMINANT TRANSPORT PATHWAYS TO THE RIVER

The current understanding of the transport mechanism of contaminants from the uplands portions of the Alder Creek Lumber Company site to the river is summarized in this section and Table 1, and supported in following sections.

1.1. Overland Transport

The site drainage patterns are conducive for the migration of contaminants to the river either through stormwater sheet runoff or leaching of wood wastes along the riverbank.

1.2. Riverbank Erosion

Wood debris along the banks is sloughing into the river and may be impacting sediments (DEQ 1999).

1.3. Groundwater

Groundwater investigations have not been conducted at the site, and groundwater-related preferential pathways have not been reviewed at the site.

1.4. Direct Discharge (Overwater Activities and Stormwater/Wastewater Systems)

Floating logs are delivered to the dock area on the Willamette River so there may be accidental releases of fuels and oils from tug operations. Oily sheens have been observed in Multnomah Channel. Stormwater discharges through several outfalls, and any entrained contaminants may be impacting sediment in the Multnomah Channel and the main stem of the Willamette River (DEQ 1999).

1.5. Relationship of Upland Sources to River Sediments

See Final CSM Update.

1.6. Sediment Transport

Alder Creek is located on the southern end of Sauvie Island at approximately RM 2.8. The southern shoreline of the property borders the Multnomah Channel; the eastern shoreline is along the Willamette River. The channel in this portion of the river was characterized in the Portland Harbor Work Plan (Integral et al. 2004) as the upstream end of the large depositional zone

DO NOT QUOTE OR CITE.

This document currently under review by US EPA and its federal, state and tribal partners, and is subject to change in whole or part.

USEPA SF



1469090

roughly centered around RM 2. The Sediment Trend Analysis® results suggest that the nearshore area off this site experiences both net accretion and net erosion episodically and that the channel and opposite side of the river are in dynamic equilibrium. Time-series bathymetric change data over the 25-month period from January 2002 through February 2004 (Integral and DEA 2004) show an area of sediment erosion (up to 1 ft depth) from the 0 ft to about the -30 ft NAVD88 contour. This is the upstream end of the nearshore erosional area that extends along the west bank of the river from approximately RM 3 to the mouth. In the main channel offshore of the site, beyond the -30 ft contour, there is little change in riverbed elevation but a large depositional area is located just downstream. No information is available on erosional or depositional patterns above the 0 ft contour or in Multnomah Channel.

2. CSM SITE SUMMARY REVISIONS

Date of Last Revision: April 26, 2005

3. PROJECT STATUS

Site screening recommended by DEQ in 1999.

Activity	Date(s)/Comments	
PA/XPA	<input type="checkbox"/>	
RI	<input type="checkbox"/>	
FS	<input type="checkbox"/>	
Interim Action/Source Control	<input type="checkbox"/>	
ROD	<input type="checkbox"/>	
RD/RA	<input type="checkbox"/>	
NFA	<input type="checkbox"/>	

DEQ Portland Harbor Site Ranking (Tier 1, 2, or 3): Tier 3

4. SITE OWNER HISTORY

Owner/Occupant	Type of Operation	Years
Alder Creek Lumber	Sawmill and planing mill	1959 - present

5. PROPERTY DESCRIPTION

The Alder Creek Lumber Company is located at the southern end of Sauvie Island between RM 2 and 3 of the Willamette River. The 84-acre site is located in a mixed industrial, agricultural, commercial, and residential use area. Approximately 28 residences are located 0.25 mile from the property. There are two septic tanks on the site. A dock is located on the Willamette River. There is a gravel access road to the site, and the site is unpaved. The lumber company discharges NPDES-permitted stormwater runoff to one outfall on the Willamette River and at least five to six outfalls on Multnomah Channel (DEQ 1999).

Information regarding the lease of submerged lands and/or overwater structures was not found in Oregon Division of State Lands (DSL) files.

6. CURRENT SITE USE

The site is currently used for lumber-related activities. The company specializes in 2- by 4-inch boards for the high-end building sector. Floating logs may be received at a dock on the site.

The facility is not a RCRA hazardous waste generator. Hazardous substances stored onsite include antifreeze (ethylene glycol), lubricating oil, gasoline, waste oil and grease, and diesel fuel. There are no underground storage tanks at the site. There is one 10,000-gal diesel and one 1,000-gal gasoline AST on the property (DEQ 1999).

7. SITE USE HISTORY

The site has been used for lumber-related activities (log storage, sawmill, lumber, planing) since its development in 1959 (DEQ 1999).

In 1971, dredged material, obtained from the Multnomah Channel about 1,500 feet west of the southern tip of Sauvie Island, was placed on the bank of the Alder Creek property. In 1972, dredged material from the Georgia Pacific Linnton Fiber Terminal was also placed on the property, approximately 500 feet from Multnomah Channel. No analytical testing was performed; however, historic railcar washing and creosote wood-treating operations at the Linnton Fiber Terminal could have contaminated the sediment that was subsequently dredged and placed on the Alder Creek property (DEQ 1999).

8. CURRENT AND HISTORIC SOURCES AND COPCS

The current understanding of the historic and current potential upland and overwater sources at the site is summarized in Table 1. The following sections provide a brief overview of the potential sources at the site requiring additional discussion.

8.1. Uplands

According to DEQ (1999), specific upland sources are unknown, but could possibly include the following:

- Wood waste leachate along the banks
- Private stormwater outfalls
- Potentially contaminated dredge material
- Oily bilge water from ships that was used to suppress dust on a dirt access road in 1982. (DEQ noted that similar material used by Crosby and Overton that same year at another site contained PCBs.)

8.2. Overwater Activities

☒ Yes ☐ No

Floating logs are delivered to the dock area so there may be accidental releases of fuels and oils from tug operations. Oily sheens have been observed in Multnomah Channel (DEQ 1999).

8.3. Spills

No documented spills at the Alder Creek site were obtained either from DEQ's Emergency Response Information System (ERIS) database for the period of 1995 to 2004, from oil and chemical spills recorded from 1982 to 2003 by the U.S. Coast Guard and the National Response Center's centralized federal database [see Appendix E of the Portland Harbor Work Plan (Integral et al. 2004)], from facility-specific technical reports, or from DEQ correspondence.

9. PHYSICAL SITE SETTING

9.1. Geology

Available files indicate that no geologic data have been collected at the site.

9.2. Hydrogeology

Available files indicate that no hydrogeologic data have been collected at the site.

10. NATURE AND EXTENT (*Current Understanding*)

The current understanding of the nature and extent of contamination for the uplands portions of the site is summarized in this section.

10.1. Soil

10.1.1. Upland Soil Investigations

☐ Yes ☒ No

Available documents in the DEQ file indicate that no soil investigations have been conducted at the site.

10.1.2. Riverbank Samples

☐ Yes ☒ No

Floating oil in the channel and leachate from wood waste was observed throughout the riverbank in 1975, as noted in a DEQ field observation report. In 1999, DEQ reported a large pile of wood wastes/dredged material on the property that was sloughing into Multnomah Channel (DEQ 1999).

10.1.3. Summary

No soil investigations have taken place on the Alder Creek property and the potential for soil contamination on this site is unknown.

10.2. Groundwater

10.2.1. Groundwater Investigations

☐ Yes ☒ No

Available documents in the DEQ file indicate that no groundwater investigations have been conducted at the site.

10.2.2. NAPL (Historic & Current)

☐ Yes ☐ No

Groundwater impacts at the site, including the presence or absence of NAPL, are unknown.

10.2.3. Dissolved Contaminant Plumes

☐ Yes ☐ No

Groundwater impacts at the site are unknown.

Plume Characterization Status ☐ Complete ☐ Incomplete

Not applicable (N/A). No geologic or hydrogeologic data have been collected at the site.

Plume Extent

N/A. No geologic or hydrogeologic data have been collected at the site.

Min/Max Detections (Current situation)

N/A. No geologic or hydrogeologic data have been collected at the site.

Current Plume Data

N/A. No geologic or hydrogeologic data have been collected at the site.

Preferential Pathways

Groundwater related preferential pathways have not been evaluated for the site.

Downgradient Plume Monitoring Points (min/max detections)

N/A. No geologic or hydrogeologic data have been collected at the site.

Visual Seep Sample Data

☐ Yes ☒ No

Available records indicate that no seeps have been identified at the site (GSI 2003).

Nearshore Porewater Data

No porewater data have been collected at the site.

Groundwater Plume Temporal Trend

N/A. No geologic or hydrogeologic data have been collected at the site.

10.2.4. Summary

Available records indicate that no groundwater investigations have been conducted at the site.

10.3. Surface Water

10.3.1. Surface Water Investigation

☐ Yes ☒ No

10.3.2. General or Individual Stormwater Permit (Current or Past)

☒ Yes ☐ No

The site has a single permitted stormwater permit on file with DEQ which is summarized in the table below. Stormwater is routed to one outfall along the Willamette River and several along the Multnomah Channel under an NPDES permit. No specific information on the area drained or the location of the outfall(s) was available in the files.

Permit Type	File Number	Start Date	Outfalls	Parameters/Frequency
GEN12Z	108101	10/16/97	Unknown	Standard ¹ /twice yearly

¹ Standard GEN12Z permit requirements include pH, oil and grease, total suspended solids, copper, lead, and zinc. *E. coli* may also be required.

A second general permit, GEN12W, was issued on 3/11/94 for industrial stormwater associated with wood products. The permit expired in 1996 and was not renewed.

Do other non-stormwater wastes discharge to the system?

☐ Yes ☐ No

No information on non-stormwater discharges was available in the DEQ files.

10.3.3. Stormwater Data

☐ Yes ☒ No

No stormwater data were available in the DEQ files.

10.3.4. Catch Basin Solids Data

☐ Yes ☒ No

10.3.5. Wastewater Permit

☐ Yes ☒ No

No wastewater permits are on file with DEQ.

10.3.6. Wastewater Data

☐ Yes ☒ No

10.3.7. Summary

No surface water investigations have occurred at the Alder Creek property. Stormwater is routed to one outfall along the Willamette River and several along the Multnomah Channel under an NPDES permit. According to DEQ (1999), Alder Creek is in compliance with this permit. Currently, the LWG does not have positional information needed to map the outfall locations.

10.4. Sediment

10.4.1. River Sediment Data

☐ Yes ☒ No

10.4.2. Summary

No site-specific sediment samples have been collected at this site. The closest sampling location, WR-BC-10, is located approximately 1,800 feet downstream on the Willamette River.

11. CLEANUP HISTORY AND SOURCE CONTROL MEASURES

11.1. Soil Cleanup/Source Control

No information is available in DEQ files.

11.2. Groundwater Cleanup/Source Control

Available records indicate that no groundwater cleanup or source control activities have been conducted at the site.

11.3. Other

11.4. Potential for Recontamination from Upland Sources

See Final CSM Update.

12. BIBLIOGRAPHY / INFORMATION SOURCES

References cited:

DEQ. 2003. DEQ Site Summary Report – Details for Site ID 2446. DEQ Environmental Cleanup Site (ECSI) Database. Accessed December 8, 2003.

www.deq.state.or.us/wmc/ecsi/ecsidetail.asp?seqnbr=2446.

DEQ. 1999. DEQ Site Assessment Program Strategy Recommendation: Alder Creek Lumber Company, Inc. Site. Oregon Department of Environmental Quality, Portland, OR.

GSI. 2003. Technical Memorandum: Results of Seep Reconnaissance Survey, River Mile 22-10.5, Lower Willamette River. Groundwater Solutions, Inc., Portland, OR.

Integral and DEA. 2004. Lower Willamette River February 2004 Multibeam Bathymetric Survey Report. Draft. Prepared for Lower Willamette Group, Portland, OR. Integral Consulting, Inc. Mercer Island, WA, and David Evans and Associates, Inc., Portland, OR.

Integral, Windward, Kennedy/Jenks, Anchor Environmental, and Groundwater Solutions. 2004. Portland Harbor RI/FS Programmatic Work Plan. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA.

Figures:

Figure 1. Site Features

Tables:

Table 1. Potential Sources and Transport Pathways Assessment

FIGURES

Figure 1. Site Features



Legend
 Round 1 and Historical Samples Not Queried for Inclusion in Table 2
 Round 1 Sediment Samples
 Historical Sediment Samples

Legend

- Outfalls
- ★ Seep Photo Location
(Not location of actual Seep)
- Selected ECSI Site Property Boundary
- Navigation Channel

- Docks & In-water Structures
- River Miles
- 35ft. Contour (NAVD 88)

- Human Use Areas**
- Dockside Worker
- Recreational Beach Use
- Transient

LWG Round 2 Proposed Sediment Samples

- Surface Sample Only
- Core & Surface Sample



0 100 200 400 Feet

DRAFT

DO NOT QUOTE OR CITE. This document is currently under review by US EPA and its federal, state, and tribal partners, and is subject to change in whole or in part.

Figure 1-Site Features
 Portland Harbor RI/FS
 Conceptual Site Model
 Alder Creek Lumber Co., Inc.
 ECSI 2446

Map Document: (C:\GIS\Projects\Portland_Harbor\ LWG-Map-Projects\Conceptual_Site_Model\Sample_Locations.mxd)
 Plot Date: 03/18/2005
 Aerial Photo Date: October 2001.
 Base Map features from Portland Metro's RLIS.

Outfall information contained on this map is accurate according to available records; however, the City of Portland makes no warranty, expressed or implied, as to the completeness or accuracy of the information published (updated March 2005).

integral
 consulting inc.

LWG
 LUMBER WORKING GROUP

TABLES

Table 1. Potential Sources and Transport Pathways Assessment

Alder Creek #2446

Table 1. Potential Sources and Transport Pathways Assessment

[illegible]

Notes:

All information provided in this table is referenced in the site summaries. If information is not available or inconclusive, a ? may be used, as appropriate. No new information is provided in this table.

✓ = Source, COI are present or current or historic pathway is determined to be complete or potentially complete.

? = There is not enough information to determine if source or COI is present or if pathway is complete.

Blank = Source, COI and historic and current pathways have been investigated and shown to be not present or incomplete.

UST Underground storage tank

AST Above-ground storage tank

TPH Total petroleum hydrocarbons

VOCs Volatile organic compounds

SVOCs Semivolatile organic compounds

PAHs Polycyclic aromatic hydrocarbons

BTEX Benzene, toluene, ethylbenzene, and xylenes

PCBs Polychlorinated biphenols

DO NOT QUOTE OR CITE

This document is currently under review by US EPA

ALDER CREEK LUMBER COMPANY
CSM Site Summary

ALDER CREEK LUMBER COMPANY

Oregon DEQ ECSI #: 2446

14456 NW Gillihan Loop Rd.

DEQ Site Mgr: No PM

Latitude: 45.6311°

Longitude: -122.7994°

Township/Range/Section: 2N/1W/27

River Mile: 2.8 Southern end of Sauvie Island

LWG Member ☐ Yes ☒ No

Upland Analytical Data Status: ☐ Electronic Data Available ☒ Hardcopies only

1. SUMMARY OF POTENTIAL CONTAMINANT TRANSPORT PATHWAYS TO THE RIVER

The current understanding of the transport mechanism of contaminants from the uplands portions of the Alder Creek Lumber Company site to the river is summarized in this section and Table 1, and supported in following sections.

1.1. Overland Transport

The site drainage patterns are conducive for the migration of contaminants to the river either through stormwater sheet runoff or leaching of wood wastes along the riverbank.

1.2. Riverbank Erosion

Wood debris along the banks is sloughing into the river and may be impacting sediments (DEQ 1999).

1.3. Groundwater

Groundwater investigations have not been conducted at the site, and groundwater-related preferential pathways have not been reviewed at the site.

1.4. Direct Discharge (Overwater Activities and Stormwater/Wastewater Systems)

Floating logs are delivered to the dock area on the Willamette River so there may be accidental releases of fuels and oils from tug operations. Oily sheens have been observed in Multnomah Channel. Stormwater discharges through several outfalls, and any entrained contaminants may be impacting sediment in the Multnomah Channel and the main stem of the Willamette River (DEQ 1999).

1.5. Relationship of Upland Sources to River Sediments

See Final CSM Update.

1.6. Sediment Transport

Alder Creek is located on the southern end of Sauvie Island at approximately RM 2.8. The southern shoreline of the property borders the Multnomah Channel; the eastern shoreline is along the Willamette River. The channel in this portion of the river was characterized in the Portland Harbor Work Plan (Integral et al. 2004) as the upstream end of the large depositional zone

DO NOT QUOTE OR CITE.

This document currently under review by US EPA and its federal, state
and tribal partners, and is subject to change in whole or part.

roughly centered around RM 2. The Sediment Trend Analysis® results suggest that the nearshore area off this site experiences both net accretion and net erosion episodically and that the channel and opposite side of the river are in dynamic equilibrium. Time-series bathymetric change data over the 25-month period from January 2002 through February 2004 (Integral and DEA 2004) show an area of sediment erosion (up to 1 ft depth) from the 0 ft to about the -30 ft NAVD88 contour. This is the upstream end of the nearshore erosional area that extends along the west bank of the river from approximately RM 3 to the mouth. In the main channel offshore of the site, beyond the -30 ft contour, there is little change in riverbed elevation but a large depositional area is located just downstream. No information is available on erosional or depositional patterns above the 0 ft contour or in Multnomah Channel.

2. CSM SITE SUMMARY REVISIONS

Date of Last Revision: April 26, 2005

3. PROJECT STATUS

Site screening recommended by DEQ in 1999.

Activity	Date(s)/Comments
PA/XPA	<input type="checkbox"/>
RI	<input type="checkbox"/>
FS	<input type="checkbox"/>
Interim Action/Source Control	<input type="checkbox"/>
ROD	<input type="checkbox"/>
RD/RA	<input type="checkbox"/>
NFA	<input type="checkbox"/>

DEQ Portland Harbor Site Ranking (Tier 1, 2, or 3): Tier 3

4. SITE OWNER HISTORY

Owner/Occupant	Type of Operation	Years
Alder Creek Lumber	Sawmill and planning mill	1959 - present

5. PROPERTY DESCRIPTION

The Alder Creek Lumber Company is located at the southern end of Sauvie Island between RM 2 and 3 of the Willamette River. The 84-acre site is located in a mixed industrial, agricultural, commercial, and residential use area. Approximately 28 residences are located 0.25 mile from the property. There are two septic tanks on the site. A dock is located on the Willamette River. There is a gravel access road to the site, and the site is unpaved. The lumber company discharges NPDES-permitted stormwater runoff to one outfall on the Willamette River and at least five to six outfalls on Multnomah Channel (DEQ 1999).

Information regarding the lease of submerged lands and/or overwater structures was not found in Oregon Division of State Lands (DSL) files.

DO NOT QUOTE OR CITE.

This document currently under review by US EPA and its federal, state and tribal partners, and is subject to change in whole or part.

6. CURRENT SITE USE

The site is currently used for lumber-related activities. The company specializes in 2- by 4-inch boards for the high-end building sector. Floating logs may be received at a dock on the site.

The facility is not a RCRA hazardous waste generator. Hazardous substances stored onsite include antifreeze (ethylene glycol), lubricating oil, gasoline, waste oil and grease, and diesel fuel. There are no underground storage tanks at the site. There is one 10,000-gal diesel and one 1,000-gal gasoline AST on the property (DEQ 1999).

7. SITE USE HISTORY

The site has been used for lumber-related activities (log storage, sawmill, lumber, planing) since its development in 1959 (DEQ 1999).

In 1971, dredged material, obtained from the Multnomah Channel about 1,500 feet west of the southern tip of Sauvie Island, was placed on the bank of the Alder Creek property. In 1972, dredged material from the Georgia Pacific Linnton Fiber Terminal was also placed on the property, approximately 500 feet from Multnomah Channel. No analytical testing was performed; however, historic railcar washing and creosote wood-treating operations at the Linnton Fiber Terminal could have contaminated the sediment that was subsequently dredged and placed on the Alder Creek property (DEQ 1999).

8. CURRENT AND HISTORIC SOURCES AND COPCS

The current understanding of the historic and current potential upland and overwater sources at the site is summarized in Table 1. The following sections provide a brief overview of the potential sources at the site requiring additional discussion.

8.1. Uplands

According to DEQ (1999), specific upland sources are unknown, but could possibly include the following:

- Wood waste leachate along the banks
- Private stormwater outfalls
- Potentially contaminated dredge material
- Oily bilge water from ships that was used to suppress dust on a dirt access road in 1982. (DEQ noted that similar material used by Crosby and Overton that same year at another site contained PCBs.)

8.2. Overwater Activities

☒ Yes ☐ No

Floating logs are delivered to the dock area so there may be accidental releases of fuels and oils from tug operations. Oily sheens have been observed in Multnomah Channel (DEQ 1999).

8.3. Spills

No documented spills at the Alder Creek site were obtained either from DEQ's Emergency Response Information System (ERIS) database for the period of 1995 to 2004, from oil and chemical spills recorded from 1982 to 2003 by the U.S. Coast Guard and the National Response Center's centralized federal database [see Appendix E of the Portland Harbor Work Plan (Integral et al. 2004)], from facility-specific technical reports, or from DEQ correspondence.

9. PHYSICAL SITE SETTING

9.1. Geology

Available files indicate that no geologic data have been collected at the site.

9.2. Hydrogeology

Available files indicate that no hydrogeologic data have been collected at the site.

10. NATURE AND EXTENT (*Current Understanding*)

The current understanding of the nature and extent of contamination for the uplands portions of the site is summarized in this section.

10.1. Soil

10.1.1. Upland Soil Investigations

☐ Yes ☒ No

Available documents in the DEQ file indicate that no soil investigations have been conducted at the site.

10.1.2. Riverbank Samples

☐ Yes ☒ No

Floating oil in the channel and leachate from wood waste was observed throughout the riverbank in 1975, as noted in a DEQ field observation report. In 1999, DEQ reported a large pile of wood wastes/dredged material on the property that was sloughing into Multnomah Channel (DEQ 1999).

10.1.3. Summary

No soil investigations have taken place on the Alder Creek property and the potential for soil contamination on this site is unknown.

10.2. Groundwater

10.2.1. Groundwater Investigations

☐ Yes ☒ No

Available documents in the DEQ file indicate that no groundwater investigations have been conducted at the site.

10.2.2. NAPL (Historic & Current)

☐ Yes ☐ No

Groundwater impacts at the site, including the presence or absence of NAPL, are unknown.

10.2.3. Dissolved Contaminant Plumes

☐ Yes ☐ No

Groundwater impacts at the site are unknown.

Plume Characterization Status ☐ Complete ☐ Incomplete

Not applicable (N/A). No geologic or hydrogeologic data have been collected at the site.

Plume Extent

N/A. No geologic or hydrogeologic data have been collected at the site.

Min/Max Detections (Current situation)

N/A. No geologic or hydrogeologic data have been collected at the site.

Current Plume Data

N/A. No geologic or hydrogeologic data have been collected at the site.

Preferential Pathways

Groundwater related preferential pathways have not been evaluated for the site.

Downgradient Plume Monitoring Points (min/max detections)

N/A. No geologic or hydrogeologic data have been collected at the site.

Visual Seep Sample Data

☐ Yes ☒ No

Available records indicate that no seeps have been identified at the site (GSI 2003).

Nearshore Porewater Data

No porewater data have been collected at the site.

Groundwater Plume Temporal Trend

N/A. No geologic or hydrogeologic data have been collected at the site.

10.2.4. Summary

Available records indicate that no groundwater investigations have been conducted at the site.

10.3. Surface Water

10.3.1. Surface Water Investigation

☐ Yes ☒ No

10.3.2. General or Individual Stormwater Permit (Current or Past)

☒ Yes ☐ No

The site has a single permitted stormwater permit on file with DEQ which is summarized in the table below. Stormwater is routed to one outfall along the Willamette River and several along the Multnomah Channel under an NPDES permit. No specific information on the area drained or the location of the outfall(s) was available in the files.

Permit Type	File Number	Start Date	Outfalls	Parameters/Frequency
GEN12Z	108101	10/16/97	Unknown	Standard ¹ /twice yearly

¹ Standard GEN12Z permit requirements include pH, oil and grease, total suspended solids, copper, lead, and zinc. *E. coli* may also be required.

A second general permit, GEN12W, was issued on 3/11/94 for industrial stormwater associated with wood products. The permit expired in 1996 and was not renewed.

Do other non-stormwater wastes discharge to the system? ☐ Yes ☐ No

No information on non-stormwater discharges was available in the DEQ files.

10.3.3. Stormwater Data

☐ Yes ☒ No

No stormwater data were available in the DEQ files.

10.3.4. Catch Basin Solids Data

☐ Yes ☒ No

10.3.5. Wastewater Permit

☐ Yes ☒ No

No wastewater permits are on file with DEQ.

10.3.6. Wastewater Data

☐ Yes ☒ No

10.3.7. Summary

No surface water investigations have occurred at the Alder Creek property. Stormwater is routed to one outfall along the Willamette River and several along the Multnomah Channel under an NPDES permit. According to DEQ (1999), Alder Creek is in compliance with this permit. Currently, the LWG does not have positional information needed to map the outfall locations.

10.4. Sediment

10.4.1. River Sediment Data

☐ Yes ☒ No

10.4.2. Summary

No site-specific sediment samples have been collected at this site. The closest sampling location, WR-BC-10, is located approximately 1,800 feet downstream on the Willamette River.

11. CLEANUP HISTORY AND SOURCE CONTROL MEASURES

11.1. Soil Cleanup/Source Control

No information is available in DEQ files.

11.2. Groundwater Cleanup/Source Control

Available records indicate that no groundwater cleanup or source control activities have been conducted at the site.

11.3. Other

11.4. Potential for Recontamination from Upland Sources

See Final CSM Update.

12. BIBLIOGRAPHY / INFORMATION SOURCES

References cited:

DEQ. 2003. DEQ Site Summary Report – Details for Site ID 2446. DEQ Environmental Cleanup Site (ECSI) Database. Accessed December 8, 2003.
www.deq.state.or.us/wmc/ecsi/ecsidetail.asp?seqnbr=2446.

DEQ. 1999. DEQ Site Assessment Program Strategy Recommendation: Alder Creek Lumber Company, Inc. Site. Oregon Department of Environmental Quality, Portland, OR.

GSI. 2003. Technical Memorandum: Results of Seep Reconnaissance Survey, River Mile 22-10.5, Lower Willamette River. Groundwater Solutions, Inc., Portland, OR.

Integral and DEA. 2004. Lower Willamette River February 2004 Multibeam Bathymetric Survey Report. Draft. Prepared for Lower Willamette Group, Portland, OR. Integral Consulting, Inc. Mercer Island, WA, and David Evans and Associates, Inc., Portland, OR.

Integral, Windward, Kennedy/Jenks, Anchor Environmental, and Groundwater Solutions. 2004. Portland Harbor RI/FS Programmatic Work Plan. Prepared for the Lower Willamette Group, Portland, OR. Integral Consulting, Inc., Mercer Island, WA.

Figures:

Figure 1. Site Features

Tables:

Table 1. Potential Sources and Transport Pathways Assessment

FIGURES

Figure 1: Site Features

DO NOT QUOTE OR CITE.

This Document is currently under review by US EPA and its federal, state and tribal partners, and is subject to change in whole or part.



Legend
 Round 1 and Historical Samples Not Queried for Inclusion in Table 2
 + Round 1 Sediment Samples
 + Historical Sediment Samples

Legend

- Outfalls
- ★ Seep Photo Location (Not location of actual Seep)
- Selected ECSI Site Property Boundary
- Navigation Channel

- Docks & In-water Structures
- River Miles
- 35ft. Contour (NAVD 88)

- Human Use Areas**
- Dockside Worker
- Recreational Beach Use
- Transient

LWG Round 2 Proposed Sediment Samples

- Surface Sample Only
- Core & Surface Sample



0 100 200 400 Feet

DRAFT

DO NOT QUOTE OR CITE. This document is currently under review by US EPA and its federal, state, and tribal partners, and is subject to change in whole or in part.

Figure 1-Site Features
 Portland Harbor RI/FS
 Conceptual Site Model
 Alder Creek Lumber Co., Inc.
 ECSI 2446

integral
 consulting inc.

LWG
 LUMBER WAREHOUSE GROUP

Map Document: (C:\GIS\Projects\Portland_Harbor\WG-Map-Projects\Conceptual_Site_Model\Sample_Locations.mxd)
 Plot Date: 03/18/2005
 Aerial Photo Date: October 2001.
 Base Map features from Portland Metro's RLIS.

Outfall information contained on this map is accurate according to available records; however, the City of Portland makes no warranty, expressed or implied, as to the completeness or accuracy of the information published (updated March 2005).

TABLES

Table 1. Potential Sources and Transport Pathways Assessment

Table 1. Potential Sources and Transport Pathways Assessment

[illegible]

Notes:

All information provided in this table is referenced in the site summaries. If information is not available or inconclusive, a ? may be used, as appropriate. No new information is provided in this table.

✓ = Source, COI are present or current or historic pathway is determined to be complete or potentially complete.

? = There is not enough information to determine if source or COI is present or if pathway is complete.

Blank = Source, COI and historic and current pathways have been investigated and shown to be not present or incomplete.

UST Underground storage tank

AST Above-ground storage tank

TPH Total petroleum hydrocarbons

VOCs Volatile organic compounds

SVOCs Semivolatile organic compounds

PAHs Polycyclic aromatic hydrocarbons

BTEX Benzene, toluene, ethylbenzene, and xylenes

PCBs Polychlorinated biphenols

DO NOT QUOTE OR CITE

This document is currently under review by US EPA